

19970723.qrp qrp-por0.795  
>From owner-qrp-l@Lehigh.EDU Tue Jul 22 18:04 CDT 1997  
>Received: from sco.theporch.com (sco.theporch.com [207.234.31.38])  
> by uro.theporch.com (8.8.7.Beta2/A-UX-3.1.1) with ESMTTP id SAA27925  
> for <shimshon@uro.theporch.com>; Tue, 22 Jul 1997 18:04:23 -0500 (CDT)  
>Received: from fidoii.CC.lehigh.EDU (fidoii.CC.lehigh.EDU [128.180.1.4])  
> by sco.theporch.com (8.8.7.Beta2/SCO-5.0.2-anti-spam) with ESMTTP id XAA02584  
> for <shimshon@theporch.com>; Tue, 22 Jul 1997 23:04:07 GMT  
>Received: from Lehigh.EDU ([127.0.0.1]) by fidoii.cc.Lehigh.EDU with SMTP id  
<34999-43404>; Tue, 22 Jul 1997 19:03:13 -0400  
>Date: Tue, 22 Jul 1997 19:03:03 EDT  
>Sender: owner-qrp-l@Lehigh.EDU  
>Precedence: bulk  
>From: qrp-l@Lehigh.EDU  
>To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
>Subject: QRP-L digest 795  
>Mime-Version: 1.0  
>Content-Type: text/plain; charset=us-ascii  
>X-Listprocessor-Version: 8.1 beta -- ListProcessor(tm) by CREN  
>Message-Id: <97Jul22.190313edt.34999-43404+155@fidoii.cc.Lehigh.EDU>  
>Status: 0

## QRP-L Digest 795

Topics covered in this issue include:

- 1) [23477] Re: Code practice freeware?  
by Joe Gervais <vole@primenet.com>
- 2) [23478] Re: Resistor Color Code (THE EASY FUN WAY)  
by adams@chuck.dallas.sgi.com (Chuck Adams)
- 3) [23479] Re: QSL'S VIA 'BUR0'  
by AE0Q V31RY <v31ry@ix.netcom.com>
- 4) [23480] Backpack trip  
by herr@ridgecrest.ca.us (Michael Herr)
- 5) [23481] Albuquerque, NM Hamfest - Aug 23-24  
by n5zgt@swcp.com (Brian Mileschosky)
- 6) [23482] SST Howls (Update)  
by Kory Hamzeh <kory@avatar.com>
- 7) [23483] Re: Internet privacy to be a crime  
by w4bws@juno.com (Donald E Sanders)
- 8) [23484] Re: Tech America Catalog  
by laura halliday <ve7ldh@direct.ca>
- 9) [23485] RE: Fingers  
by "Adam B. Kanis" <adam-kanis@uiowa.edu>
- 10) [23486] RE: First time kit builder  
by "Adam B. Kanis" <adam-kanis@uiowa.edu>
- 11) [23487] 2N7000 Help (or Murphy brought badgers)  
by Chris Cartwright <ccart@dns.vidtel.com>

- 12) [23488] from CO to the east coast  
by "John A. Evans - N0HJ" <jae Evans@codenet.net>
- 13) [23489] Ham Sticks Ant?  
by "Bowes, Fr. Bruce" <GBB1@MARISTB.MARIST.EDU>
- 14) [23490] 38S Xtal FFilter  
by "Kenneth W. Evans" <w4du@bellsouth.net>
- 15) [23491] Collecting QSL cards  
by Scott Bauer <ke3nv@erols.com>
- 16) [23492] RE: Fingers  
by "Marshall Emm" <mgemm@mtechnologies.com>
- 17) [23493] KH6 on 20m  
by AE0Q V31RY <v31ry@ix.netcom.com>
- 18) [23494] Brass Revisited  
by adams@chuck.dallas.sgi.com (Chuck Adams)
- 19) [23495] Re: Backpack trip  
by Ken Lopez <kjlopez@earthlink.net>
- 20) [23496] Re: KH6 on 20m  
by AE0Q V31RY <v31ry@ix.netcom.com>
- 21) [23497] Two step attenuators for sale  
by Mike Czuhajewski <wa8mcq@u1.abs.net>
- 22) [23498] QRP SWR/wattmeter help?  
by Michael Parkes <mparkes@worldnet.att.net>
- 23) [23499] Fwd: Internet privacy to be a crime  
by Bigbob97@aol.com
- 24) [23500] Re: Ham Sticks Ant?  
by w4bws@juno.com (Donald E Sanders)
- 25) [23501] Flash Comm Inc. allowed to use spectrum  
by W3GX@aol.com
- 26) [23502] Re: QRP SWR/wattmeter help?  
by Joe Gervais <vole@primenet.com>
- 27) [23503] Re: Backpacking & satellite data  
by Bill Howell <bhowell@mail.utexas.edu>
- 28) [23504] Re: QRP Quarterly Arrived - NE-QRP '72' Dead?  
by George Gingell <k3tks@u1.abs.net>
- 29) [23505] More R/S dummy load info  
by gsurrency@juno.com (Gary L L Surrency)
- 30) [23506] CW SPEAKERS  
by Steven Weber <kd1jv@moose.ncia.net>
- 31) [23507] Re: Brass Revisited  
by Ed Loranger <we6w@qsl.net>
- 32) [23508] Peanut II transmitter  
by n4js@amsat.org
- 33) [23509] Re: Flash Comm Inc. allowed to use spectrum  
by N9DD@aol.com
- 34) [23510] re: tower gying.... de k6ls  
by "Phil, K6LS" <k6ls@qsl.net>
- 35) [23511] Mica vs Thermal Pads  
by gsurrency@juno.com (Gary L L Surrency)

- 36) [23512] Re: Flash Comm Inc.  
by Joe Gervais <vole@primenet.com>
- 37) [23513] Re: CW SPEAKERS  
by Ed Loranger <we6w@qsl.net>
- 38) [23514] Re: Mica vs Thermal Pads, typos  
by gsurrency@juno.com (Gary L L Surrency)
- 39) [23515] Sterba Curtain Antenna  
by Ed Loranger <we6w@qsl.net>
- 40) [23516] Re: Brass Revisited  
by "Marshall Emm" <mgemm@mtechnologies.com>
- 41) [23517] Tuners for Backpacking, etc  
by Joe Gervais <vole@primenet.com>
- 42) [23518] KH6AFS/QRP info  
by Harvey Hetland <n6mm@earthlink.net>
- 43) [23519] Re: Brass Revisited  
by n4js@amsat.org
- 44) [23520] Re: Flash Comm Inc. allowed to use spectrum  
by adams@chuck.dallas.sgi.com (Chuck Adams)
- 45) [23521] Re: Brass Revisited  
by Sandy W5TVW <ebjr@worldnet.att.net>
- 46) [23522] Re: CW SPEAKERS  
by Sandy W5TVW <ebjr@worldnet.att.net>
- 47) [23523] Re: Flash Comm Inc. allowed to use spectrum  
by Joel Malman <malman@BBN.COM>
- 48) [23524] Re: Flash Comm  
by adams@chuck.dallas.sgi.com (Chuck Adams)
- 49) [23525] Rain/Snow rule of thumb  
by Joel Malman <malman@BBN.COM>
- 50) [23526] Solid State QRP Project Book  
by "Ron Polityka" <wb3aal@talon.net>
- 51) [23527] Sterba Curtain Antenna  
by Ed Loranger <we6w@qsl.net>
- 52) [23528] Re: ICOM 706 MkII for QRP???
- by Cecil A Moore <Cecil\_A\_Moore@ccm.ch.intel.com>
- 53) [23529] Re: CW SPEAKERS  
by Bob Roach <KE4QOK@worldnet.att.net>
- 54) [23530] Re: CW SPEAKERS  
by Ed Loranger <we6w@qsl.net>
- 55) [23531] HW7 Mods wanted  
by Stephen John Farthing <stephen@stevef.demon.co.uk>
- 56) [23532] Re: Flash Comm Inc. allowed to use spectrum  
by AE0Q V31RY <v31ry@ix.netcom.com>
- 57) [23533] Re: Flash Comm Inc. allowed to use spectrum  
by W3GX@aol.com
- 58) [23534] RE: KH6AFS/QRP info  
by Harvey Hetland <n6mm@earthlink.net>
- 59) [23535] Re: Flash Comm Inc. allowed to use spectrum  
by Bob Hightower <ki7mn@dancris.com>

- 60) [23536] UPS Batteries  
by "Ron Polityka" <wb3aal@talon.net>
- 61) [23537] RE: UPS Batteries  
by "Ron Polityka" <wb3aal@talon.net>
- 62) [23538] Matching a Folded Dipole  
by Cecil A Moore <Cecil\_A\_Moore@ccm.ch.intel.com>
- 63) [23539] Re: Flash Comm Inc. allowed to use spectrum  
by Dale Anderson <dalea@artemis.fc.hp.com>

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Date: Mon, 21 Jul 1997 16:02:19 -0700 (MST)  
From: Joe Gervais <vole@primenet.com>  
To: qrp-1@Lehigh.edu  
Subject: [23477] Re: Code practice freeware?  
Message-ID: <199707212302.QAA21666@usr06.primenet.com>

Howdy Folks,

Jeff (WB5GWB) wrote:

> Does anyone know of a website that has code practice freeware?  
> I thought I'd install some on my home computer, in the same folder as  
> my kids' games, and see if any of them will use it. ;-)

In case you're talking Mac stuff -

Site: mac.archive.umich.edu  
Dir: /mac/util/organization/  
Files: morsecode1.0.sit.hqx, morsemaster1.0.sit.hqx, morsetrainer1.1.sit.hqx

Two freeware, one shareware.

I'm partial to MorseTrainer, but my kids play with an MFJ  
practice oscillator instead, so I'm not sure which program  
is more kid-friendly. :)

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"It happens sometimes. People just explode. Natural causes." -Repo Man

-----  
Date: Tue, 22 Jul 1997 00:10:51 +0100

From: adams@chuck.dallas.sgi.com (Chuck Adams)  
To: w2pj@FRONTIERNET.NET  
Cc: qrp-1@Lehigh.edu  
Subject: [23478] Re: Resistor Color Code (THE EASY FUN WAY)  
Message-ID: <199707212310.AAA22833@chuck.dallas.sgi.com>

Paul,

Great!! Creativity abounds and is certainly welcome here.

Thanks a brown-black-green.

dit dit

Chuck Adams K5FO CP-60 adams@sgi.com  
<http://reality.sgi.com/adams/>  
K5FO online Morse Code course --- see the home page  
WIMPS: Qs=043 30m=32 17m=5 12m=0 States=23/05/00 DX=03/00/00 QSLs=015

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Date: Mon, 21 Jul 1997 17:20:40 -0600  
From: AE0Q V31RY <v31ry@ix.netcom.com>  
To: qrp-1@lehigh.edu  
Subject: [23479] Re: QSL'S VIA 'BURRO'  
Message-ID: <2.2.16.19970721232040.0dd76534@popd.ix.netcom.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

At 15:58 21-07-97 -0500, NR3E wrote:

- >  
> 1. Realistically, what can I expect on return time? Is one  
> DX area necessarily better than others for return rates?  
> I've heard this called the "BURRO" service before. Are  
> 1+ year turn-around times the norm?

Yes, I'd say pretty much normal from my experience. I've gotten cards back via the bureau that were for contacts I had made 4 years previously, but that's not typical. One to 2 yrs is average.

- > 2. The service info doesn't give you the 'nuts and bolts'  
> of how the service works. That is, if I send a QSL, via  
> buro, to a SM0, do they wait until they have a certain #  
> of cards (100, 200, 500) before sending them on to his incoming  
> side? How many cards does his outgoing side wait to have before  
> sending to the USA?

I'm sure the ARRL can tell you how many pounds of cards they wait to collect, but they do go from there to the DX country's Incoming QSL Bureau via surface mail.

Don't forget that on the return trip your card might sit at your local Incoming bureau for months waiting to get an ounce of cards in your envelope..

If you're working fairly common countries in Europe, Japan, VK and ZL, and S. America, the bureau is probably OK.. But for the unusual ones, or rare ones, they may not reply to cards sent via the bureau at all. There are some who send out cards via the bureau to EVERY QSO they make! It all depends on the op at the other end, hi..

There is one thing you definately DO NOT want to do.. If you work a DX station that has a QSL Manager in the U.S., be sure to send the manager an SASE directly. Many American hams who go on DX trips themselves, or are QSL managers, do not reply to cards sent through the bureau from Americans. It's silly to make the ARRL forward your card to another American when a stamp will get you the card in a few days..

Out of 130 countries that I've worked on RTTY, there are still 4 that I can't get cards from.. Good luck, it can be frustrating, but also a lot of fun!

73 -- Glenn

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"Remember, any tool can be the right tool!" Red Green

AE0Q / V31RY ex: GM5BKC, ZB2WZ, SV0WY, WA0VPK  
v31ry@ix.netcom.com --SOWP 5558-M, ARRL LM, QCWA LM, NCVA--  
<http://www.qsl.net/ae0q>

-----  
Date: Mon, 21 Jul 1997 16:49:39 -0800  
From: herr@ridgecrest.ca.us (Michael Herr)  
To: qrp-l@lehigh.edu  
Subject: [23480] Backpack trip  
Message-ID: <v01530501aff99ff9e097@[199.120.150.86]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

We're off again to escape the desert heat!

Myself, WA6ARA and my wife, N6VGW, are off on a 3 day backpacking trip

in the Sierra's (mountain range, not rig). We will be hiking into the Cottonwood Lakes area out of horseshoe Meadows, sort of south of Mt. Whitney and West of the town of Lone Pine. The trip is from 22 July to 24 July and I will be taking along the trusty NorCal 40 and dipole for our operating pleasure. This one will be without the Boy Scouts so I will have more operating time. I should be on tuesday afternoon / evening, all day wednesday and maybe thursday morning. Listen for WA6ARA at or around 7040. vy 72  
Mike WA6ARA

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Date: Mon, 21 Jul 1997 17:58:08 -0600 (MDT)  
From: n5zgt@swcp.com (Brian Mileschosky)  
To: qrp-1@Lehigh.edu  
Subject: [23481] Albuquerque, NM Hamfest - Aug 23-24  
Message-ID: <199707212358.RAA01589@kitsune.swcp.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

For all you QRPers who live in/around Albuquerque, or who will be travelling through town this particular weekend:

\*\*\*\*\*  
\* D U K E C I T Y H A M F E S T \*  
\* \*  
\*\*\*\*\*

WHEN: 23-24 August 1997  
Saturday 7:30 AM - 5:00 PM  
Sunday 7:30 AM - 1:00 PM

WHERE: National Guard Armory  
600 Wyoming Blvd. NE  
Albuquerque, New Mexico USA

ADMISSION: \*\* FREE \*\*

SWAP/VENDOR TABLES: \$12 each  
\$17 w/electrical power

Tailgate Space: \$5 each

RV Parking: \$10 / weekend

PRIZES:                   GRAND PRIZE  
                          Icom 706 Mk II  
  
                          SECOND PRIZE  
                          MFJ-259 Antenna Analyzer  
  
                          PRE REGISTRATION PRIZE  
                          Alinco DJ-S41 70 cm HT  
  
                          Plus HOURLY door prizes  
  
                          Prize Tickets \$2 ea or 3/\$5

TALK IN:               147.06+ / 444.0+ 100hz PL

-----TEAR HERE-----

DUKE CITY HAMFEST REGISTRATION FORM

Mail this form with remittance to:

Duke City Hamfest  
P.O. Box 30394  
Albuquerque, NM 87190

Name: \_\_\_\_\_

Call: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_

Zip : \_\_\_\_\_

Phone: (\_\_\_\_) \_\_\_\_\_ - \_\_\_\_\_

\_\_\_\_\_ Indoor Swap/Vendor Table(s) @ \$12 ea       \_\_\_\_\_

\_\_\_\_\_ Table with electrical power @ \$17 ea       \_\_\_\_\_

\_\_\_\_\_ Outdoor tailgate spaces @ \$5 ea       \_\_\_\_\_

\_\_\_\_\_ RV weekend RV parking @ \$10 ea       \_\_\_\_\_



----- Registration Prize Tickets  
@ \$2 ea or 3/\$5 -----  
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TOTAL ENCLOSED -----

Paid registrations received by 22 August will be eligible for pre registration drawing to be held at opening of hamfest on 23 August.

Winners of Grand Prize, Second Prize and Pre Registration prize need not be present to win.

Winners of hourly door prizes must be present to win.

Members of the New Mexico Hamvention Inc board are NOT eligible to win prizes.

72,  
Brian, N5ZGT

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Boy Scouts of America	Amateur Radio - N5ZGT
Eagle Scout (12-6-96)	ARRL QRP: NorCal# 1700 QRP-L# 580 AK/QRP # 125
JASM - Troop 41	Author of Worldradio's "Youth Forum" Column
Albuquerque, N.M.	Packet: N5ZGT @ KC5IZT.ALBQ.NM.USA.NOAM
O.A. Lodge 66 <-W-W-W-<<	Internet: n5zgt@swcp.com

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Date: Mon, 21 Jul 1997 17:48:22 -0700 (PDT)  
From: Kory Hamzeh <kory@avatar.com>  
To: qrp-l@lehigh.edu  
Subject: [23482] SST Howls (Update)  
Message-ID: <Pine.BSI.3.91.970721173958.3526A-100000@avatar.avatar.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Thanks to Terence W00FR, I tried the attached mod and it worked! Also, another note, while in radio shack picking up the parts for this mod, I picked up a Nove 43 headphone per someone's recommendation on this list. Anyway, I tried the headphone before the applied the mod, and the howling does not happen with the Nova 43 (actually, there is a short burst when the

rig is first turned on, then the howling stops very quickly).

By the way, I highly recommend the Radio Shack Nova 43 headphones. Very nice and sensitive.

Thanks Terence!

73,  
Kory  
AC6RN

----- Forwarded message -----

Date: Sat, 19 Jul 1997 02:27:05 EDT  
From: Terence J Shilhanek <tshilhanek@juno.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: SST Howls

My SST 40m version also howled when the audio gain was at maximum.

Looking at the application notes on the LM386 audio chip that is in the SST, I noticed

that there is a comment that if the chip oscillates then an optional DC filter can be installed to prevent the oscillation. The filter is only a resistor and a by-pass capacitor placed in the lead supplying power to the chip. I have installed the modification and it seems to work. The changes can be done on the etched side of the pc board.

1. cut the trace going to pin 6 of U3
2. solder a 100 ohm 1/4 watt resistor from pin 6 of U3 to the contact  
next to pin 1 of U3 .
3. solder a .1mf disc cap from pin 6 of U3 to pin 4 of U3

Terry  
W0PFR

-----  
Date: Mon, 21 Jul 1997 20:53:56 EDT  
From: w4bws@juno.com (Donald E Sanders)  
To: adams@chuck.dallas.sgi.com  
Cc: qrp-1@Lehigh.edu  
Subject: [23483] Re: Internet privacy to be a crime  
Message-ID: <19970721.210323.8711.2.W4BWS@juno.com>

Hey gang! Seems the Government wants to limit all internet privacy to only what they can copy and decipher. The Senate Commerce Committee approved the McCain-Kerry Bill (S.909) which imposes for the first time domestic restrictions on the ability of Americans to protect their privacy and security in their own homes.

You can read more at : <http://www.cdt.org/crypto/>

Don W4BWS  
W4BWS@juno.com

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Date: Mon, 21 Jul 1997 17:59:34 -0700  
From: laura halliday <ve7ldh@direct.ca>  
To: qrp-1@lehigh.edu  
Subject: [23484] Re: Tech America Catalog  
Message-ID: <33D405F6.610A824@direct.ca>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I just had a look at Tech America's web page (after reading the email on the subject - I was out of town for a few days) and am curious about what people want from a component supplier?

Remember that component suppliers make things according to what their customers buy. If we want to influence this, we need to buy enough goodies to convince people like Motorola that there is indeed money in making, say, 2N3866s. But there isn't; commercial users use other technologies now, and hams don't buy enough of them to make it worth Motorola's (or SGS-Thomson's, or anybody else's) while to make them when they could be making other, more profitable goodies. The challenge for us, as hams, is to bend those more profitable goodies to our purposes.

I feel that one stop shopping for all electronic components is an unrealistic goal. Other than specialized RF stuff, folks like Digi-Key (replace with your favourite supplier if you wish) do a very good job, and I have my favourite suppliers for RF stuff, like RF Parts, Down East Microwave, and Mainline. Can I improve on this? I doubt it. Do I need to? No.

I am pleased by initiatives like Future/Active, who can supply (theoretically) just about anything electronic. Naturally,

you pay for this - the onesies and twosies prices for things tend to be in the grit-your-teeth-and-try-not-to-scream range, but stuff \*is\* available. And this means things like Analog Devices entire product line. Motorola's entire product line. And so on.

Naturally, you're not going to build 1960s-style radios with ADSP-21061 DSP chips or MC145484 PCM Codec chips. Is this a problem?

Personally, I want to see if I can play with IF DSP for less than the price of an HF-1000...

--

Laura Halliday                    "C'est une femme mutine, assez elegante,  
ve7ldh@direct.ca    grave et legere, ayant le sens  
Grid: CN89mg        du confort et du plaisir en tout."  
                             - C. Deneuve

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Date: Mon, 21 Jul 1997 21:03:54 -0500  
From: "Adam B. Kanis" <adam-kanis@uiowa.edu>  
To: n1fn@mtechnologies.com  
Cc: qrp-l@lehigh.edu  
Subject: [23485] RE: Fingers  
Message-ID: <2.2.32.19970722020354.0068d4d4@molsun.ophth.uiowa.edu>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Marshall and all:

on the fringe of qrp relatedness to keying practices: (iambic -vs- dactyl).

Funny, i thought dactyl always refered to fingers (ie, brachydactyly=short fingered; arachnodactyly=long'spider' fingered; clinodactyly=curved fingered). Looked it up in dictionary, and there was the meter definition as well, but it seems to derive from the long-short-short of the bones (phalanges)of the 2nd-5th fingers and toes.

--adam  
adam-kanis@uiowa.edu

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Date: Mon, 21 Jul 1997 21:03:51 -0500

From: "Adam B. Kanis" <adam-kanis@uiowa.edu>  
To: aa8yo@tir.com  
Cc: qrp-l@lehigh.edu  
Subject: [23486] RE: First time kit builder  
Message-ID: <2.2.32.19970722020351.0068d984@molsun.ophth.uiowa.edu>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Bob,

>My total experience  
>building kits of any sort is exactly none, so it cannot be too  
>difficult. I've kinda narrowed my selection down to either an  
>EMTECH or OHR kit, but not committed to either.

i've built many, many small projects in the past, but the OHR was my first larger kit. The instructions are very good, and the board is excellently printed. One warning, however, the instructions call for a frequency counter, oscilloscope, and station receiver to be used in the alignment. I've heard other people that have gotten along without all that test equipment, but have also heard of other who have gotten "non-optimal" results. You do have the option of building the kit, and having the folk(s?) at ohr do the alignment for you, but that seems to be missing the point of building a kit.

I'd consider a small kit or 2 to build as practice first. Lets you get acquainted with your soldering iron (not too intimate, it'll hurt). This way you'll be likely to have a very quick early success to keep your spirits up. You could try an MRX-40 receiver (\$18, if still available), or a kit from TenTec (their audio amp kit (?\$10) is easy, and you'll find plenty of uses for it). You could even design and build from scratch a 12v regulated supply, since the componants in these tend to be very rugged and hard to accidently destroy.

Good luck, and enjoy. Write back if you want more input.

73,

--adam, n2brt

adam-kanis@uiowa.edu

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Date: Mon, 21 Jul 1997 22:31:28 -0400 (EDT)  
From: Chris Cartwright <ccart@dns.vidtel.com>  
To: QRP Reflector <qrp-l@lehigh.edu>  
Subject: [23487] 2N7000 Help (or Murphy brought badgers)  
Message-ID: <Pine.LNX.3.93.970721222130.1693A-100000@dns.vidtel.com>



-----  
Date: Mon, 21 Jul 1997 23:20:48 EDT  
From: "Bowes, Fr. Bruce" <GBB1@MARISTB.MARIST.EDU>  
To: <heath@listserv.tempe.gov>  
Cc: <qrp-l@lehigh.edu>  
Subject: [23489] Ham Sticks Ant?  
Message-ID: <21JUL97.25214696.0015.MUSIC@MARISTB.MARIST.EDU>

Anybody tried Ham Sticks as an dipole? I would be interested in your comments. Someone said they radiate off the ends not broadside. I was thinking about using them as a rotatable dipole.  
Thanks for your thoughts.  
Fr Bowes

-----  
Date: Mon, 21 Jul 1997 23:44:30 -0400  
From: "Kenneth W. Evans" <w4du@bellsouth.net>  
To: qrp-l@lehigh.edu  
Subject: [23490] 38S Xtal FFilter  
Message-ID: <33D42C9E.B3@bellsouth.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Has anyone modified the 38S for single signal reception (the xtal filter mod)? A number of us in NOGA are interested. Any resources or ideas welcome.

Thanks in advance.  
Ken           w4du@bellsouth.net  
W4DU

-----  
Date: Tue, 22 Jul 1997 00:02:42 -0400 (EDT)  
From: Scott Bauer <ke3nv@erols.com>  
To: qrp-l@Lehigh.EDU  
Subject: [23491] Collecting QSL cards  
Message-ID: <199707220402.AAA11921@smtp1.erols.com>

Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hello Everyone!

The topic of collecting QSL cards has been mentioned here quite a bit lately. I do a little SW listening and like to collect cards from stations that I have heard as well as the cards from stations that I have worked. Even though this is not really a QRP topic, I wonder if anyone might have some needed info for QSLing a few non ham stations. I need info for 4XZ and Gander Radio. I probably will not get a QSL from these stations, but would like to try anyhow. If anyone might have the address for either of these stations, I would really appreciate the info.

Thanks a lot!

72, Scott W3CV

-----  
Date: Mon, 21 Jul 1997 22:11:26 +0000  
From: "Marshall Emm" <mgemm@mtechnologies.com>  
To: "Adam B. Kanis" <adam-kanis@uiowa.edu>, qrp-1@Lehigh.EDU  
Subject: [23492] RE: Fingers  
Message-ID: <199707220412.WAA00030@bobcat.sni.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT

>> Funny, i thought dactyl always refered to fingers (ie,  
brachydactyl=short  
fingered; arachnodactyl=long'spider' fingered;  
clinodactyl=curved fingered). Looked it up in  
dictionary, and there was the meter definition as well,  
but it seems to derive from the long-short-short of the  
bones (phalanges)of the 2nd-5th fingers and toes.  
<<

Boy my face is getting redder and redder-- that's exactly how I  
learned to remember what a dactyl was as a poetic foot.  
The foot I wanted for the opposite of an iamb (e.g an N instead of an  
A) is of course the trochee, so an iambic keyer is also a trochaic  
keyer if you happen to hit the dah first [g]. I must have been  
really out of it when I wrote that post but then again I learned all  
this a LONG time ago and the memory can play tricks on one.



Marshall G. Emm  
Milestone Technologies  
(303) 752-3382  
<http://www.mtechnologies.com/mthome>

-----  
Date: Mon, 21 Jul 1997 23:00:06 -0600  
From: AE0Q V31RY <v31ry@ix.netcom.com>  
To: qrp-1@Lehigh.EDU  
Subject: [23493] KH6 on 20m  
Message-ID: <2.2.16.19970722050006.218f17e4@popd.ix.netcom.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

KH6AFS/QRP is on 14.0576 now (at 0300Z), Monday evening.. He's a solid S7  
in Denver on my attic dipole, working Doc K0EVZ..

73 -- Glenn

-----  
"Remember, any tool can be the right tool!" Red Green

AE0Q / V31RY ex: GM5BKC, ZB2WZ, SV0WY, WA0VPK  
v31ry@ix.netcom.com --SOWP 5558-M, ARRL LM, QCWA LM, NCVA--  
<http://www.qsl.net/ae0q>

-----  
Date: Tue, 22 Jul 1997 06:06:11 +0100  
From: adams@chuck.dallas.sgi.com (Chuck Adams)  
To: qrp-1@Lehigh.EDU  
Subject: [23494] Brass Revisited  
Message-ID: <199707220506.GAA02310@chuck.dallas.sgi.com>

Gang,

Working on cleaning off years of oxide off of brass keys.

No, I did not go running for the dishwasher on the J-38 after hearing

the story on Brasso. ;-) :-)

Got some email from a few ex-Army people who spent years using Brasso on all the brass they had on uniforms etc. No stories confirmed on destruction of government property using Brasso. :-)

I called eight antique dealers at random out of the yellow pages in Dallas and eight gun dealers. Noone had anything bad to say about Brasso being used on brass other than the follow the instructions routine.

I bought a small container of Gillespie 'Old Brass' cleaner from HomeDepot and tried it. It showed the same results as Brasso and required just about the same amount of applied elbow grease (tm).

So it looks like a standoff. All the chemicals do is remove a layer of oxide which is some unknown number of molecules (assumed to be a relatively small number in the cosmic realm of things). I went into one of the finer (another name for expensive) antique dealers in North Dallas (close to the homes of Mary Kay, H. Ross Perot, and a few other relatively successful and famous people) and the owner talked me out of some high dollar stuff and recommended that I stick with what I was doing with the Brasso, so I'll take his word for it and continue until I see a warning label otherwise. :-)

While working on the Signal Electric key did manage to work 3 stations on 30M, the last being Paul, VE7CQK, a notable member of the group. His 559 and my 319 on the old SST30 at 0.95W as measured on the trusty OHR WM-1A (the original). QRN was pretty tough on both ends I guess from the remains of the hurricane.

FYI

Chuck Adams K5FO CP-60 adams@sgi.com  
<http://reality.sgi.com/adams/index.html>  
K5FO's online Morse Code course --- see the home page  
WIMPS: Qs=046 30m=35 17m=5 12m=0 States=23/05/00 DX=03/00/00 QSLs=016

-----  
Date: Mon, 21 Jul 1997 18:54:29 -0700  
From: Ken Lopez <kjlopez@earthlink.net>  
To: herr@ridgecrest.ca.us  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [23495] Re: Backpack trip  
Message-ID: <33D4407D.5A23@earthlink.net>

MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Michael Herr wrote:

>  
>  
> We will be hiking into the  
> Cottonwood Lakes area out of horseshoe Meadows,

Mike, this brings back memories. I have been to Cottonwood Lakes many times, but it has been at least ten years since the last trip. That's a pretty steep 5 or 6 miles, but the scenery is worth it. See if you can catch one of those huge lake bread trout. Another use for the SLV if the bands are dead!

Have a great time.  
Ken, N6TZV

-----  
Date: Mon, 21 Jul 1997 23:35:51 -0600  
From: AE0Q V31RY <v31ry@ix.netcom.com>  
To: qrp-l@Lehigh.EDU  
Subject: [23496] Re: KH6 on 20m  
Message-ID: <2.2.16.19970722053551.29976d2c@popd.ix.netcom.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

At 23:00 21-07-97 -0600, I wrote:

> KH6AFS/QRP is on 14.0576 now (at 0300Z), Monday evening.. He's a solid S7  
>in Denver on my attic dipole, working Doc K0EVZ..  
>

Whoops, looked at the clock wrong! That was at 0500Z, he's still there 30 mins later working other stations, running 2w with Argonaut..

73 -- Glenn AE0Q/V31RY

-----  
Date: Tue, 22 Jul 1997 07:36:07 -0400 (EDT)  
From: Mike Czuhajewski <wa8mcq@u1.abs.net>  
To: qrp forum <qrp-l@Lehigh.EDU>

Subject: [23497] Two step attenuators for sale

Message-ID: <Pine.BSI.3.93.970722072832.14135C-1000000@u1.abs.net>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

When it comes to attenuators, I am like Imelda Marcos and shoes! I can't pass up a good deal on one. I have this irresistible urge to buy them, play with them for a while, check them fully on a network analyzer, then pass them on to other QRPers at good prices. Sure it's more than I paid for it, but it comes with something you don't always get when you buy a used attenuator (and which I didn't get when I bought them), a meaningful and reliable guarantee that it is known and proven to be good, and also something which is extremely rare (or unheard of) for a used attenuator, the results of a frequency sweep of each section on a network analyzer.

And please, no complaints that attenuators are not a QRP-related item. A step (or fixed) attenuator is very much a QRP tool to the serious homebrewer and experimenter, and I can find at least a hundred people on qrp-l who will back me on that! (It's also a great tool for the serious milliwatter, though to be safe I wouldn't take a chance on running them anywhere near the rated power. While most of them can be opened and repaired--and precision resistors are easy enough to buy--it's not a great deal of fun, especially if the bad resistor is a piece of charcoal with no legible markings!)

#### ATTENUATOR #1

\$35 plus postage and insurance--Rotary step attenuator, 50 ohms, 0 to 60 dB in 10 dB steps, female BNC connectors, JFW Industries model 50R-053. Size: about 2.7" long plus shaft, about 1 1/2" diameter, and in very good condition. (One of the markings on the label is 9216, which appears to be a date code. It's a lot newer than many of the hamfest attenuators I find.) It has a knob, a little under 15/16" diameter, but it has no markings; unlike many rotary attenuators, the knob is not marked with the attenuation values.

This unit is not in my JFW catalog, although similar models are. I had them fax me a spec sheet on it. They rate it from DC to 1 GHz, maximum insertion loss of 0.3 dB (in the 0 dB position), power rating of 1 watt average (at 25 degrees C). The attenuation accuracy is +/- 0.5 dB or 1% from DC to 500 MHz and +/- 0.5 dB or 2% from 500 MHz to 1 GHz. I checked it over the entire range on an HP 8753C network analyzer, with markers set to 30, 150, 500 and 1000 MHz, and it was within specs at all points, for all sections, including the insertion loss in the 0 dB position. (This is in contrast to a lot of hamfest attenuators that I buy, which do NOT meet their published

specs across the entire range they are spec'ed for.)

#### ATTENUATOR #2

\$25 plus postage and insurance. Pushbutton, Pasternack model PE7008-1, 50 ohms, BNC female connectors, rated at 1 watt average power. Steps are 20, 20, 10, 8, 4, 2, and 1 dB, for a total of 65 dB. Each section is individually selectable; any value from 0 to 65 dB, in 1 dB increments, can be obtained by pushing in the appropriate combination of buttons. It's rectangular, about 4" long (plus length of the two BNCs sticking out the ends), about 1" tall, and about 1 1/2" front to back plus length of pushbuttons--about 1.9" if they are in the out/off position. In pretty good condition.

This unit is rated by Pasternack to 750 MHz, although my network analyzer sweeps were done with 1 GHz at the top end. The specs: DC to 100 MHz, +/- 0.3 dB; 100-300 MHz, +/- 0.5 dB; 300-500 MHz, +/- 0.8 dB; 500-750 MHz, +/- 1.3 dB. This one looks pretty good throughout HF, with the worst section being off by 0.14 dB at 30 MHz, well within spec. Above that, it's within or close to spec for the most part. (Remember, just like the one above, it comes with a network analyzer sweep. If you have a sweep of an attenuator and know what the response is at the frequency you're going to be using, it doesn't really matter that much if it's slightly out of the specified tolerance since you know the precise value and can take it into account. In fact, you're way ahead of someone who doesn't have a sweep on it--you know that the 10 dB section is actually 11.65 dB at 750 MHz, 0.35 dB greater than the limit, but without the sweep you could only hope that it was somewhere within the spec of +/- 1.3 dB at that frequency, a range of 2.6 dB. You have a precise figure to use in your tests and experiments, while the other guy has a huge range and has no idea where it is within that range. And attenuators aren't always within their specified limits, either!)

-----

#### RE QRP CLASSICS THREAD

Regarding the recent mini-flap about the ARRL book QRP classics, which is now out of print, there were actually two printings of it. The first printing, for some inexplicable reason, did not contain what many consider to be the number one, true, all-time QRP classic of all, the W7EL Optimized QRP Transceiver. It was added in the second printing, without fanfare or explanation. Perhaps it was due to the complaints from many in the QRP community, and more than one review commented negatively on its absence. Some of the complaints were more vocal than others; to avoid embarrassment, no names will be given (although at least one is hard to pronounce!). If you find a

copy of QRP Classics, don't be surprised if it does not have the W7EL rig; not all of them did.

73 and Queue Our Pea DE WA8MCQ                      wa8mcq@abs.net

-----  
Date: Tue, 22 Jul 1997 06:14:23 -0800  
From: Michael Parkes <mparkes@worldnet.att.net>  
To: qrp-l@Lehigh.EDU  
Subject: [23498] QRP SWR/wattmeter help?  
Message-ID: <33D4C037.36D@worldnet.att.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Having just about decided to go with a Sierra for backpacking/portable use, I am now on the lookout for a good (small!) SWR meter to use (a wattmeter as part of the tuner would be nice too). Will probably end up tuning a 40 meter dipole for 30/20 meter use ...  
Any recommendations are appreciated!  
-73 Mike AB7RU

-----  
Date: Tue, 22 Jul 1997 09:37:03 -0400 (EDT)  
From: Bigbob97@aol.com  
To: QRP-L@Lehigh.EDU  
Subject: [23499] Fwd: Internet privacy to be a crime  
Message-ID: <970722093702\_618653606@emout04.mail.aol.com>

This is not QRP ! (but a subject near and dear) What else is new ? As long as "they" are safe - who cares about us - as long as we foot the bill with our taxes.

73,

Bob WB2DHK (sorry - couldn't resist - penance will be no QRO for a week!)

-----  
Forwarded message:  
From: w4bws@juno.com (Donald E Sanders)  
Sender: owner-qrp-l@lehigh.edu  
Reply-to: w4bws@juno.com  
To: qrp-l@lehigh.edu (Low Power Amateur Radio Discussion)  
Date: 97-07-22 05:16:08 EDT

Hey gang! Seems the Government wants to limit all internet privacy to only what they can copy and decipher. The Senate Commerce Committee approved the McCain-Kerry Bill (S.909) which imposes for the first time domestic restrictions on the ability of Americans to protect their privacy and security in their own homes.

You can read more at : <http://www.cdt.org/crypto/>

Don W4BWS  
W4BWS@juno.com

-----  
Date: Tue, 22 Jul 1997 09:38:34 EDT  
From: w4bws@juno.com (Donald E Sanders)  
To: GBB1@MARISTB.MARIST.EDU  
Cc: qrp-1@Lehigh.EDU  
Subject: [23500] Re: Ham Sticks Ant?  
Message-ID: <19970722.094818.7767.1.W4BWS@juno.com>

Yes I have several pairs of Ham Sticks and they work very well as narrow band, short dipoles for 40,20,15,10,6 meters. Work great from apartment balconies and on a telescopic portable pole(30+ feet long from Builders Square- paint roller extenders- about \$40.00) for field day, emergency, vacation, VHF contest, etc.

DON W4BWS@juno.com

-----  
Date: Tue, 22 Jul 1997 10:19:52 -0400 (EDT)  
From: W3GX@aol.com  
To: qrp-1@Lehigh.EDU  
Subject: [23501] Flash Comm Inc. allowed to use spectrum  
Message-ID: <970722101949\_785018757@emout10.mail.aol.com>

Wireless Week magazine, July 21, 1997 issue, reports that Flash Comm Inc., of Melbourne, Florida has won the right to use 3 to 30 MHz to establish a national vehicle and other rolling stock tracking service.

The technology involves "packets" sent at various frequencies in the spectrum from transmitters that send the packets for short durations (no longer than 4 seconds each message by FCC requirement). Each packet must include the "call

sign" of the transponder. All messages must be logged.

The FCC set daily emission limits for power density.

FCI's use of the spectrum is on a secondary basis -- it can cause no interference to primary users.

The Department of Defense had protested FCI's proposed use of the spectrum because FCI's equipment, while transmitting at low power and for short durations, could not determine if a band segment appeared to silent but actually had active users that were temporarily silent.

No word of this on ARRL's WEB site, although I remember it being mentioned earlier when it was proposed. Several of their people may be on vacation this week.

I predict that monitoring FCI's use of the our portions of the HF bands, and recording any interference, will become an issue among American hams. Look for plans in the magazines for FCI receivers that indicate originating transponder names and signal strength.

FCI intends to inaugurate the service in early 1998.

de W3GX  
John Foote

-----  
Date: Tue, 22 Jul 1997 07:40:51 -0700 (MST)  
From: Joe Gervais <vole@primenet.com>  
To: qrp-1@Lehigh.EDU  
Subject: [23502] Re: QRP SWR/wattmeter help?  
Message-ID: <199707221440.HAA21928@usr08.primenet.com>

Mike (AB7RU) wrote:

> Having just about decided to go with a Sierra for backpacking/portable  
> use, I am now on the lookout for a good (small!) SWR meter to use (a  
> wattmeter as part of the tuner would be nice too).

There's a nice, efficient, compact tuner kit out there that one of the ScQRPions had at a recent meeting. John, was that you? Hopefully the owner will chime in. Believe the kit went for \$75-ish. And I recall wanting one very much. :)

> Will probably end up tuning a 40 meter dipole for 30/20 meter use ...



Definitely consider a fan dipole. ScQRPion Mike (N07K) and I used one with great success in the mountains during FYBO. You can still use the tuner, of course, but at least you'll know you have a resonant piece of wire up there for each band. Should give you much better results than trying to force-feed a 40m antler. Our 40m/20m fan had a "natural" SWR of less than 1.3:1 on both bands. And the extra wire is negligible in the weight category, even for backpacking.

Another option is a "banana clip" multiband dipole. Just add legs of wire for the lower bands (pre-cut, tuned at home, of course).

Good luck and keep us posted!

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"FREEZE! EVERYBODY GET DOWN!"

"Well which is it, young feller? You want I should freeze or get down on the ground? Mean to say, if'n I freeze I can't rightly drop, and if'n I drop I'm gonna be in motion. Ya see..."

"SHUT UP!"

"Okay then."

-Raising Arizona

-----  
Date: Tue, 22 Jul 1997 10:01:48 -0500 (CDT)  
From: Bill Howell <bhowell@mail.utexas.edu>  
To: qrp-l@Lehigh.EDU  
Cc: gevans@lightspeed.net  
Subject: [23503] Re: Backpacking & satellite data  
Message-ID: <199707221501.KAA03545@mail.utexas.edu>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Gary Evans wrote:

"I can view the MIR station. Does anyone know where I can download the orbital data used to track the passes? "

=====

Gary...try <http://acsprod1.acs.ncsu.edu/scripts/HamRadio/sattrack>

Just pick your bird and your location and you'll get the

next few days of pass information.

GL,

Bill Howell  
University of Texas at Austin  
Performing Arts Center  
Electronic Maintenance  
voice 512.471.1388  
bhowell@mail.utexas.edu  
N5ALO QRP-L #415

belief preceeds experience

-----  
Date: Tue, 22 Jul 1997 11:38:38 -0400 (EDT)  
From: George Gingell <k3tks@u1.abs.net>  
To: njqrp@NJQRP.ORG  
Cc: QRP List <QRP-L@Lehigh.EDU>, Dave Johnson KnightLite QRP Club  
<klqrp@acpub.duke.edu>  
Subject: [23504] Re: QRP Quarterly Arrived - NE-QRP '72' Dead?  
Message-ID: <Pine.BSI.3.93.970722111657.22618B-100000@u1.abs.net>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

HI Gang,

I pretty much agree with the comments. It sure is a shame to see "72" cease publication. We lost HamBrew for just about the same reason. If people don't write short articles and send them in for publication the materials dry up and the editors burn out trying to do it all alone.

If you guys really want to see QRPP and The Quarterly grow and become the "Dream Magazine of QRP" you must support it in every way that you can. That means being a subscriber first and a promoter second. If everyone brings in one new member this year just think of how the club would grow. That means more money in the treasury and that means that we can have a bigger and better Quarterly Journal.

We know for a fact that QRPP has grown to the size that it has for two reasons. Number one is that Doug Hendricks is a fireball and one man task force. He is the QRPP/ NorCal Club. The Second big reason is that NorCal has a Big money maker in their "Kit Machine".

We at QRP ARCI, on the other hand have a more classic Club structure

and are dependent on Club Membership Dues and other small revenues to survive and try to provide our members with the best QRP Journal that we can. We have a great new team this year and all are working hard to make QRP ARCI the Best QRP Club in the world. No easy task with clubs like NorCal and G-QRP in the competition.

I personally belong to 15 different QRP Clubs at last count. You must belong to at least the Big Three in order to be considered a true believer :^)

O.K. that's it for today's soap box chat. The bottom line is "Support your QRP Club, or lost it!"

OBTW if you need back issues of The QRP Quarterly Journal, contact me by email. I have 1995, 1996 and the first three issues of 1997 in stock. I also have a limited mixture of other older back issues, but they are going fast.

72 ES

QRP DX TU (C) 1986, G. Danny Gingell, K3TKS@abs.net "Danny"  
Maryland Milliwatt Club QRP Reference Library, (301)572-6789  
QRP ARCI Net Manager and Board of Director Member.  
ARCI #4368 G-1290 M-192 NE-28 NW-14 NorCal-926 CQC-349 FB-51 MDMW #1  
QRP-L #216 CQrp #42 AK-QRP #195 KL-QRP ARS-#176 NJ-QRP #78 QCWA #23739  
CP-25 WAS QRPp QNI-1000 Milliwatt Beacon Hunter KMWA KL-Mw Award  
Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904

On Tue, 22 Jul 1997, Mark S. Adams wrote:

> Hi Brian and Gang,  
>  
> > Is it possible there are now too many QRP rags.....?  
>  
> Yeah, I think so. There are just so many talented authors willing to write  
> for only the glory, fame and satisfaction. Of course, when you are writing,  
> you are \*not\* operating! I expected that this would happen soon.  
>  
> >Could this be the beginning of the end of QRP in print?  
>  
> Gee, I hope not (and think not). With just a few QRP rags and the same pool  
> of authors, there should be a few VERY healthy publications. QRP Quarterly  
> and QRPp to name two.  
>  
> Personally I would like to see a QRP mag along the lines of Communications  
> Quarterly. Lots of glossy pages and nice pictures. I would be willing to  
> pay 20-30 bux for a sub to a mag like that. Until then I will thoroughly  
> enjoy what I feel are the two best, the QRP-Q and QRPp.

>  
> Have a nice day and see you in the /BB test this Sunday,  
> Mark N2VPK  
>  
> ===== NJ QRP Club Mailing List =====  
> To unsubscribe from this list, send email to listserver@waterw.com  
> and put the text "unsubscribe njqrp" in the message. To post a  
> message to the list, send email to njqrp@njqrp.org.  
>

-----  
Date: Tue, 22 Jul 1997 08:26:28 -0700  
From: gsurrency@juno.com (Gary L L Surrency)  
To: qrp-1@Lehigh.EDU  
Subject: [23505] More R/S dummy load info  
Message-ID: <19970722.085336.6694.2.gsurrency@juno.com>

I found the card that my R/S dummy load was packaged with while searching for some more mica T0-220 device insulators. Here is the info:

VSWR: Less than 1.15 :1 DC-500 Mhz  
Rated Power:  
    15W continuous  
    20w, 5 Min. On, 5 Min. Off  
    50w, 1 Min. On, 3 Min. Off  
    100w, 30 sec. On, 3 Min. Off  
Surface Temp: 180 deg. F / 80 deg C at Rated Power  
    (w/o additional cooling)  
Temp Vharacteristics: +/- 0.15 % / deg. C

It's made of a high heat-resistant non-inductive ceramic resistor inserted in the ceter of a radially finned ribbed aluminum heatsink about 1 5/16" dia. x 2 3/16" long not including the permanently attached PL-259 that adds another 3/4" to the overall length for a total of nearly 3".

Nearly indestructible when used at the power levels recommended, and available under RSU paret number 11269479 for \$21.99.

I've had this one for a long time, and it was purchased originally under the old R/S pn. 21-506 before it became a RSU stock item. The RSU item should be the same.

Standard Disclaimer: I just really like the small size and rugged construction.

AB7MY

Gary Surrency

Chandler, AZ (Near Phoenix), QRP-L #571, AZ ScQRPions

-----  
Date: Tue, 22 Jul 1997 11:31:12  
From: Steven Weber <kd1jv@moose.ncia.net>  
To: qrp-1@Lehigh.EDU  
Subject: [23506] CW SPEAKERS  
Message-ID: <3.0.1.16.19970722113112.2f0f2254@mailhost.ncia.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I was thinking of light weight spkrs the other day and tried something that worked pretty good. I had a 10 oz Rubermaid(tm) microwaveable container, the round kind, kicking around and took a 2 1/2" dia speaker out of an old AM./FM portable radio. This spkr happend to have a good sized magnate on it and a mylar spkr cone.

I cut a hole in the lid of the plastic container, just big enough to set the spkr in. Ran the wire through a small hole puched into the side of the container. A bead of silicon goop around the spkr edges to hold it in place.

Remember the "CW Canon" thread a while back? This is along similer lines.

Sounds pretty good. Don't know where it resonates at, but must be some where in the right range. I don't know about you, but I've always had trouble finding a speaker that sounds good with CW. Only problem is that the spkr cone is unpertected.

So, the next thing I'm gonna try is putting the spkr in a plastic drinking tumbler. Hope to find one that the spkr will slide down inside an inch or so. Will let you all know how that works out.

Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

-----  
Date: Tue, 22 Jul 1997 09:56:09 -0700  
From: Ed Loranger <we6w@qsl.net>  
To: adams@chuck.dallas.sgi.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [23507] Re: Brass Revisited  
Message-ID: <33D4E629.469E@qsl.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Chuck Adams wrote:

>  
> Gang,  
>  
> Working on cleaning off years of oxide off of brass keys.  
>  
> No, I did not go running for the dishwasher on the J-38 after hearing  
> the story on Brasso. ;-) :-)  
>

Glad you got a smiley from my posting....

> Got some email from a few ex-Army people who spent years using Brasso  
> on all the brass they had on uniforms etc. No stories confirmed on  
> destruction of government property using Brasso. :-)

I knew you'd be ok! The Navy and Marine Corps are heavy  
brasso users. As a marine, I took exceptional pride in  
shiny brass. You are doing everthing right.

Our process: Soak in ammonia until quartermaster finish  
removed. 600 grit sanding, by hand for a week, 2 hours  
each night. Soft cloth dipped in brasso then the wet  
tipped finger/cloth rubbed over red Jewlers Rouge. Then  
we polished with the brasso/rouge combination for 2 hours  
each night until you could shave in the mirror finish  
of your belt buckle. ( No breaks on weekends; Every Night!)

And you can shave for the rest of your life in that mirror!

>  
> I called eight antique dealers at random out of the yellow pages  
> in Dallas and eight gun dealers. Noone had anything bad to say  
> about Brasso being used on brass other than the follow the instructions  
> routine.

Make sure you get it all off! Use cotton swabs etc. And  
a fresh, soft terry-style cloth containing NO Soap residue.  
You can pull off the Black oxide for quite a while after  
you "Think" you are done.

Some people laquer over the brass when they're done.  
I don't. When you do it well, and you can see yourself

in it, maintenance is minimum.

We've got some brass kitten/cat statues about 7 inches high that sit above the fireplace. It's relaxing to do, and I Shine 'em once a year.

Reminds me, I gotta go shave.

-Ed

--

72/73 de we6w qrp es cw ONLY (From non-ham to extra in one day!)  
HW-8;OHR-100, Pixie2, Johnson Viking II w/VFO.  
QRP-L#1068/Norcal#2227/ARS#275/ARCI#9397 grid CM88ok  
mailto:we6w@qsl.net <http://www.qsl.net/we6w>

-----  
Date: Tue, 22 Jul 1997 13:06:48 -0400 (EDT)  
From: n4js@amsat.org  
To: qrp-l@Lehigh.EDU  
Subject: [23508] Peanut II transmitter  
Message-ID: <XFMail.970722130906.n4js@amsat.org>  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 8bit  
MIME-Version: 1.0

In case anyone has considered ordering the "Peanut II" 40M transmitter, which DVM Communications has been advertising on some of the ham Usenet groups, drop me an email first. I just received mine. I'll pass along my impressions privately.

Sent at 13:09:06 on 22-Jul-97

John L. Sielke n4js@amsat.org n4js@pobox.com  
n4js@qsl.net NJ Grid:FM29LN  
<http://www.qsl.net/n4js> NJ-QRP #57 QRP-L #884  
QRP-ARCI #9328 CQC #443 CQrp #50  
NE-QRP #507 G-QRP #9544 NorCal #1989 QCWA FISTS #2781 ARS #243  
WIMPS Qs=027 30m=24 17m=3 12m=0 States=09/02/00 Countries=14/02/00

-----  
Date: Tue, 22 Jul 1997 13:33:14 -0400 (EDT)  
From: N9DD@aol.com  
To: QRP-L@Lehigh.EDU

Subject: [23509] Re: Flash Comm Inc. allowed to use spectrum  
Message-ID: <970722133259\_1691942374@emout20.mail.aol.com>

In a message dated 97-07-22 10:56:46 EDT, you write:

<< Wireless Week magazine, July 21, 1997 issue, reports that Flash Comm Inc.,  
of  
Melbourne, Florida has won the right to use 3 to 30 MHz to establish a  
national vehicle and other rolling stock tracking service.  
>>

Although I agree that there are many unanswered questions concerning  
interference to other services with this proposal, I think we need to also  
look at the positive implications to QRPers if this proposed service catches  
on...

Just think about it... Hundreds of thousands of low powered shortwave  
transmitters and receivers being commercially produced for this service. New  
components? Surplus equipment availability? Who will be the first to convert  
one of these vehicle transmitters or receivers to 7.040 MHz CW???

Tom Frisz N9DD  
South Bend, IN  
N9DD@aol.com

-----  
Date: Tue, 22 Jul 1997 10:53:56 -0600  
From: "Phil, K6LS" <k6ls@qsl.net>  
To: qrp-l@Lehigh.EDU  
Cc: vhf@w6yx.stanford.edu  
Subject: [23510] re: tower gying.... de k6ls  
Message-ID: <33D4D751.7E82@qsl.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Thanks to the tremendous amount of you who responded for my request for  
info on gying towers. There were so many I am unable to reply directly  
so hopefully this will suffice as THANKS.

For those that may be interested in the replys, I have compiled them  
into one .txt file that you may receive if you want, just e-mail me  
with the request.

Thanks again,  
--



73 de Phil, K6LS/0  
QRP-L #612  
k6ls@qsl.net <or> k6ls@amsat.org  
DM79or, Arapahoe County, Colorado  
ITU zone 7, CQ zone 4  
<http://www.qsl.net/k6ls>

-----  
Date: Tue, 22 Jul 1997 10:44:48 -0700  
From: gsurrency@juno.com (Gary L L Surrency)  
To: qrp-l@Lehigh.EDU  
Subject: [23511] Mica vs Thermal Pads  
Message-ID: <19970722.104448.9830.0.gsurrency@juno.com>

One thing I've noticed while working on the 38S in its new cabinet: There are significant differences in different heat sink insulators.

The thermal pad is easy to use, as it is flexible and won't crack like the mica ones. It appears to be made of a silicon compound coating over fiberglass cloth. The thickness is a little greater than the mica insulator, but the IRF510 runs a little cooler than with the bare mica washer without thermal grease applied.

Comparatively speaking, the epoxy package of the 38S's PA MOSFET never gets very warm at all after 1 to 2 minutes of key down into a dummy load at about 7.1 watts. Using the mica one, the epoxy became almost hot to the touch after 1 or 2 minutes at the same power level. I didn't try coating the mica with thermal grease because it is so hard to clean off and makes such a mess. No doubt the PA transistor would run cooler with the grease.

I noticed the 10 ohm gate resistor and ferrite bead got quite warm during the long key down test, but well within the 1/4 limit. There must be plenty of drive coming from the 74HC240!

The thermal pads do absorb moisture slightly, so it might not be as good to use in high humidity climates or on trips to the lake. ;-)

I got maybe 100mw more power output with the thermal pad, but that could be a result of the greater thickness causing less capacitance with the back panel of the rig's cabinet. I use a 4-40 nylon screw with a hole barely large enough to clear it in the aluminum panel. Not sure of the dielectric properties of the thermal pad, but I think it is described in the NOTE Cross Reference Guide.

This particular pad I salvaged from an old computer power supply. Don't

overlook them as a source of parts, as they fail very frequently and are quiet plentiful if you look around or ask.

Supposedly the thermal pads are soft enough to conform to surface irregularities without the need for heat sink grease. So far it seems to work fine and may be an OK alternative to the mica insulator. In computer power supplies they withstand a lot more power dissipation and much higher voltages. So unless they have long term RF exposure failures, they may be a good alternative.

Has anyone noticed commercial equipment using the gray thermal pads?

72,

AB7MY

Gary Surrency

Chandler, AZ (Near Phoenix), QRP-L #571, AZ ScQRPions

-----  
Date: Tue, 22 Jul 1997 10:52:54 -0700 (MST)  
From: Joe Gervais <vole@primenet.com>  
To: qrp-l@Lehigh.EDU  
Subject: [23512] Re: Flash Comm Inc.  
Message-ID: <199707221752.KAA18713@usr05.primenet.com>

Tom (N9DD) wrote:

> << Wireless Week magazine, July 21, 1997 issue, reports that Flash Comm Inc.,  
> of Melbourne, Florida has won the right to use 3 to 30 MHz <...>  
>  
> Just think about it... Hundreds of thousands of low powered shortwave  
> transmitters and receivers being commercially produced for this service. New  
> components? Surplus equipment availability? Who will be the first to convert  
> one of these vehicle transmitters or receivers to 7.040 MHz CW???

Errrr... Hopefully not Flash Comm Inc!!! :-/ I think I'm worried...

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"And then you must cut down the mightiest tree in the forest with... A HERRING!"

-----  
Date: Tue, 22 Jul 1997 10:20:30 -0700  
From: Ed Loranger <we6w@qsl.net>  
To: kd1jv@moose.ncia.net  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [23513] Re: CW SPEAKERS  
Message-ID: <33D4EBDE.7D90@qsl.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Couldn't pass this up.

One day I was designing a 700 Hz resonator for my 3-1/2 inch speaker. After performing all of the calculations I searched the garage for something 'Close'.

My 6 oz Bugler tobacco cans make excellent speaker supports/enclosures. A typical 3-1/2 inch speaker fits right over the top of the thing.

I sandwiched the speaker between two of the cans and cut a hole out of the front portion of the bottom can to let the gibber sounds of the badgers out. I just used electrical tape around the middle and over the top and bottom to hold it all together.

In the top half I cut a small hole for the badger's tail at the rear of the can. The speaker is pointed Down.

Later I extended the front sound hole, like a wide 'Vee' almost to the bottom. Just enough room to put my hand in there. I use this area to store electrical tape, spare pencils, BNC connectors, etc.

And the Gibberin' is pretty loud with a peak between 800 and 1000 Hz for CW work.

My daily contribution.  
-Ed Loranger

--

72/73 de we6w qrp es cw ONLY (From non-ham to extra in one day!)  
HW-8;OHR-100, Pixie2, Johnson Viking II w/VFO.  
QRP-L#1068/Norcal#2227/ARS#275/ARCI#9397 grid CM88ok  
mailto:we6w@qsl.net <http://www.qsl.net/we6w>

-----  
Date: Tue, 22 Jul 1997 11:18:13 -0700  
From: gsurrency@juno.com (Gary L L Surrency)  
To: qrp-1@Lehigh.EDU  
Subject: [23514] Re: Mica vs Thermal Pads, typos  
Message-ID: <19970722.111824.9830.3.gsurrency@juno.com>

Gang,

Didn't proof read it well enough!

>I noticed the 10 ohm gate resistor and ferrite bead got quite warm  
>during the long key down test, but well within the 1/4 limit. There

Should have read: 1/4 watt limit.

> Not sure of the dielectric properties of the thermal pad, but I think  
it  
>is described in the NOTE Cross Reference Guide.

Should have read: NTE Cross Reference Guide

They're on page 1-295 of the 7th edition, called Thermo Pads.

Sorry for the bandwidth.....

72,

AB7MY

Gary Surrency

Chandler, AZ (Near Phoenix), QRP-L #571, AZ ScQRPions

-----  
Date: Tue, 22 Jul 1997 11:21:10 -0700  
From: Ed Loranger <we6w@qsl.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [23515] Sterba Curtain Antenna  
Message-ID: <33D4FA16.51A9@qsl.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Sam, KH6AFS is sending me his custom plans for  
the Rhombic and Sterba Antennas he uses. Until

then, I couldn't wait....

So I have posted the Sterba Curtain, obtained from common Antenna Resource Books, on my webpage.

Follow Antennas, Then click on Sterba Curtain.

FYI.

-Ed Loranger

--

72/73 de we6w qrp es cw ONLY (From non-ham to extra in one day!)  
HW-8;OHR-100, Pixie2, Johnson Viking II w/VF0.  
QRP-L#1068/Norcal#2227/ARS#275/ARCI#9397 grid CM88ok  
mailto:we6w@qsl.net <http://www.qsl.net/we6w>

-----  
Date: Tue, 22 Jul 1997 10:52:25 +0000  
From: "Marshall Emm" <mgemm@mtechnologies.com>  
To: adams@chuck.dallas.sgi.com (Chuck Adams)  
Cc: qrp-l@Lehigh.EDU  
Subject: [23516] Re: Brass Revisited  
Message-ID: <199707221656.KAA14520@bobcat.sni.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT

Hi, Chuck & Gang--

>>Got some email from a few ex-Army people who spent years using Brasso on all the brass they had on uniforms etc. No stories confirmed on destruction of government property using Brasso. :-)  
<<

Well, maybe they weren't as "STRAC" as they might have been. During my brief tenure as a "latrine queen" at Lackland AFB in 1969 we actually switched from generic GI metal polish to brasso for the sink faucets because ALL of the chrome plating had been polished off over the years and they had become brass fittings!

>>All the chemicals do is remove a layer of oxide which is some unknown number of molecules (assumed to be a relatively small number in the cosmic realm of things).  
<<

OK, but lets talk about what that small layer of oxide does-- it protects the metal! With both copper and brass, the oxide layer prevents oxygen from going beyond a certain depth. The moment you remove it, oxidation begins again and builds up to the same level and then stops. I think I remember someone on this list inquiring about removing the oxidation from copper antenna wire-- BIG waste of time. The effect of oxidation on stranded copper antenna wire is negligible (and NOT related to DC conductivity between the strands, anyhow), and I suspect you'd have to polish your antenna every couple of weeks if you wanted to keep it shiny bright.

Once the material has been polished, the only way to stop it from tarnishing again is to put it in an oxygen free environment (e.g. nitrogen filled display case) or coat it with a clear finish such as lacquer (I think you described removing a layer of that, didn't you?).

The oxide coloration even has attractive names in some environments-- words like verdigris and patina come to mind. And FWIW it's a mortal sin among numismatists to polish a coin.

When it comes to things like old keys it's your choice whether to polish it back to factory new condition, but if you do you will have to make some choices-- the natural sheen of new metal is not going to last unless you coat it (in which case you don't have a "natural" shine anymore), or unless you are prepared to polish it relatively frequently. My own inclination in these cases is to either leave it alone, or polish it once and let it go "back to nature."

Listen UP you animals. There will be a key inspection at 0600. What did you polish that key with, Smith, a HERSHEY BAR? I want to see your MOTHER'S reflection in those keys. DISSmissed.

[oops, better take my pill]

73  
Marshall Emm  
N1FN/VK5FN  
n1fn@mtechnologies.com  
<http://www.mtechnologies.com/mthome>  
(303)752-3382

--

-----

Date: Tue, 22 Jul 1997 11:43:49 -0700 (MST)  
From: Joe Gervais <vole@primenet.com>  
To: qrp-l@Lehigh.EDU  
Subject: [23517] Tuners for Backpacking, etc  
Message-ID: <199707221843.LAA15660@usr09.primenet.com>

Howdy again,

AB7RU was asking about small, portable tuners, and I ran across the one I was thinking of. Have heard good things about it (and plan to order soon) but no firsthand experience. No relation or freebie/discounts for doing this. Just looked like a good deal for us backpacking/camping/biking/kayaking ARS-type QRPers.

---- EMTECH Info via <<http://www.isomedia.com/homes/starbuck/emtech.htm>> ----

EMTECH ZM-1 ATU  
\$45.00 + \$5.00 S&H.  
5-1/16" x 2-5/8" x 1-5/8"

"An evening project for many, maybe two evenings for others. Very easy construction, via pictorial drawings. All parts furnished, including a stick-on panel layout as shown. Big knobs for vernier tuning because the ZM-1 tunes so sharp. One large toroid to wind using a unique method that is fast and extremely easy. Wire is furnished. Kit comes complete."

-----  
Hope this helped!

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"It was the monkeys! The monkeys did it!"  
-----

Date: Tue, 22 Jul 1997 18:40:04 -0700  
From: Harvey Hetland <n6mm@earthlink.net>  
To: QRP-LIST <QRP-L@Lehigh.EDU>  
Subject: [23518] KH6AFS/QRP info  
Message-ID: <33D560F4.3253@earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

There have been some QRP-L reports concerning Sam, KH6AFS, with two watts and a rhombic being active on 20m recently. He answered my CQ on 14.059 around 1810Z today (22 JUL). As previously indicated he also has a 20m Sterba curtain. He was having some QRN from a nearby storm, but he indicated that he is operational on 40m, 20m 15m and 10m using the rhombic on all those bands (including 6m). His rig is a Ten-Tec Argonaut using solar power. At 1825Z he left for breakfast, but he indicated that he will be listening later in the day. A light rain here is keeping me from my yard work, so I am going to be listening and calling on 21.060 MHz in hopes of catching him on 15m and perhaps 10m. I am going to watch 40m this evening a few hours after my sunset too. For those needing Hawaii this may be an interesting opportunity. Good hunting.

73, Harvey, N6MM.

-----  
Date: Tue, 22 Jul 1997 14:55:18 -0400 (EDT)  
From: n4js@amsat.org  
To: Marshall Emm <mgemm@mtechnologies.com>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [23519] Re: Brass Revisited  
Message-ID: <XFMail.970722145646.n4js@amsat.org>  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
MIME-Version: 1.0

On 22-Jul-97 Marshall Emm typed:

>The effect of oxidation on stranded copper antenna wire is negligible  
>(and NOT related to DC conductivity between the strands, anyhow), and  
>I suspect you'd have to polish your antenna every couple of weeks if  
>you wanted to keep it shiny bright.

Doesn't everybody?

Sent at 14:56:46 on 22-Jul-97

John L. Sielke	n4js@amsat.org	n4js@pobox.com
n4js@qsl.net	NJ Grid:FM29LN	
http://www.qsl.net/n4js	NJ-QRP #57	QRP-L #884
QRP-ARCI #9328	CQC #443	CQrp #50
NE-QRP #507	G-QRP #9544	NorCal #1989
QCWA	FISTS #2781	ARS #243



WIMPS Qs=027 30m=24 17m=3 12m=0 States=09/02/00 Countries=14/02/00

-----  
Date: Tue, 22 Jul 1997 20:39:10 +0100  
From: adams@chuck.dallas.sgi.com (Chuck Adams)  
To: N9DD@aol.com  
Cc: qrp-1@Lehigh.EDU  
Subject: [23520] Re: Flash Comm Inc. allowed to use spectrum  
Message-ID: <199707221939.UAA15134@chuck.dallas.sgi.com>

Tom,

Thanks for reminding me of two things.

On recent trip to S. CA and a cruise I noted a couple of things.

Santa Catalina is on the top 25% of the list for IOTA chasers. I found out why. Small island, noisy and in an RF hole or I was there at the wrong time for 30M.

In Ensenada south of the border I could not help note that the shuttle service from the docks to the small downtown area was using 146.71 MHz as a comm frequency. Must have picked up some handhelds real cheap at Dayton. ;- ) :-)

adios,

Chuck Adams K5FO CP-60 adams@sgi.com  
<http://reality.sgi.com/adams/index.html>  
K5FO's online Morse Code course --- see the home page  
WIMPS: Qs=046 30m=35 17m=5 12m=0 States=23/05/00 DX=03/00/00 QSLs=016

-----  
Date: Tue, 22 Jul 1997 20:01:25 +0000  
From: Sandy W5TVW <ebjr@worldnet.att.net>  
To: we6w@qsl.net, qrp-1@Lehigh.EDU  
Subject: [23521] Re: Brass Revisited  
Message-ID: <1997072200119.AAC26994@LOCALNAME>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

At 04:56 PM 7/22/97 +0000, you wrote:

>Chuck Adams wrote:

>>  
>> Gang,  
>>  
>> Working on cleaning off years of oxide off of brass keys.  
>>  
>> No, I did not go running for the dishwasher on the J-38 after hearing  
>> the story on Brasso. ;- ) :-)  
>

I have used Brasso for years and years and years. NEVER had any destructive effects! Just the pleasing appearance of hand burnished/polished brass! To me, a nice shiny piece of brass, nicely polished, is better than gold! (To the eye, not the pocketbook!) I guess gold faucets etc. would be nice, but who can afford that?

I worked on a very fancy yacht owned by an Arabic prince, and even HIS fixtures were

only gold plated! I still like brass better!

73,

E. V. Sandy Blaize, W5TVW

"Boat Anchors collected, restored, repaired, traded and used!"

417 Ridgewood Drive,

Metairie, LA., 70001

ebjr@worldnet.att.net

\*\*Looking for: 860 tubes, WL-460 tubes\*\*

\*\*RK-34(VT-224) tubes, Butternut HF2V antenna\*\*

-----  
Date: Tue, 22 Jul 1997 20:01:20 +0000  
From: Sandy W5TVW <ebjr@worldnet.att.net>  
To: kd1jv@moose.ncia.net, qrp-1@Lehigh.EDU  
Subject: [23522] Re: CW SPEAKERS  
Message-ID: <19970722200119.AAA26994@LOCALNAME>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

At 11:31 AM 7/22/97 +0000, you wrote:

>I was thinking of light weight spkrs the other day and tried something that  
>worked pretty good. I had a 10 oz Rubermaid(tm) microwaveable container,  
>the round kind, kicking around and took a 2 1/2" dia speaker out of an old  
>AM./FM portable radio. This spkr happend to have a good sized magnate on it  
>and a mylar spkr cone.

I have a Japanese 1-1/2" speaker glued to the end of a 4-1/4" length of 1-1/2" ID "Mailing tube". It makes a very excellent tuned loudspeaker which adds very measurably to CW operation with my old Hallicrafters

SR-150 SSB transceiver. There is a formula somewhere on "tuned" loudspeaker extensions, but I don't remember quite where!

73

E. V. Sandy Blaize, W5TVW

"Boat Anchors collected, restored, repaired, traded and used!"

417 Ridgewood Drive,

Metairie, LA., 70001

ebjr@worldnet.att.net

\*\*Looking for: 860 tubes, WL-460 tubes\*\*

\*\*RK-34(VT-224) tubes, Butternut HF2V antenna\*\*

-----  
Date: Tue, 22 Jul 97 16:18:52 EDT  
From: Joel Malman <malman@BBN.COM>

To: N9DD@aol.com

Cc: qrp-1@Lehigh.EDU, malman@BBN.COM

Subject: [23523] Re: Flash Comm Inc. allowed to use spectrum

Message-ID: <199707222019.QAA22159@nss2.CC.Lehigh.EDU>

Tom,

> Just think about it... Hundreds of thousands of low powered shortwave  
> transmitters and receivers being commercially produced for this service. New  
> components? Surplus equipment availability? Who will be the first to convert  
> one of these vehicle transmitters or receivers to 7.040 MHz CW???

Sure, it would be neat to have a new source of spare parts and maybe  
convert surplus 'transmitters or receivers to 7.040 MHz CW'.

BUT:

We can also look at this 'service' and think of them using 7040 because  
QRP signals are not strong enough for their "receivers" to hear, so they  
start transmitting 'thinking' the frequency is clear. Scary.

/joel wa1qvm (malman@bbn.com ... Concord, Ma.)

WIMPS: Qs=209 30m=191 17m=17 12m=01 States=26/04/00 DX=053/12/01

-----  
Date: Tue, 22 Jul 1997 21:30:11 +0100  
From: adams@chuck.dallas.sgi.com (Chuck Adams)

To: qrp-1@Lehigh.EDU  
Subject: [23524] Re: Flash Comm  
Message-ID: <199707222030.VAA15345@chuck.dallas.sgi.com>

While in HomeDepot last Saturday getting plumbing parts for some house maintenance I saw where they were selling Motorola small radios for 150 MHz. Guess everyone wants to communicate.

Forgot this little tidbit in previous post on 146.71 in Mexico. I was not carrying a 2M rig I just saw one of the supervisors display as he was passing by.

Chuck Adams K5FO CP-60 adams@sgi.com  
<http://reality.sgi.com/adams/index.html>  
K5FO's online Morse Code course --- see the home page  
WIMPS: Qs=046 30m=35 17m=5 12m=0 States=23/05/00 DX=03/00/00 QSLs=016

-----  
Date: Tue, 22 Jul 97 16:38:10 EDT  
From: Joel Malman <malman@BBN.COM>  
To: qrp-1@Lehigh.EDU  
Subject: [23525] Rain/Snow rule of thumb  
Message-ID: <199707222038.QAA37074@nss2.CC.Lehigh.EDU>

Does anyone have a rule-of-thumb about how much RF gets sucked-up (that's a new technical term alternatively known as dissipated) by wet leaves?

My G5RV dipole is hidden the trees behind my condo and anytime the trees/leaves are wet (or snow covered) there is little chance of my QRP signal getting out. Note that the wires do not actually touch a tree or any leaves, but in some cases they might be as close as 2 feet apart. The ladder line feed also gets pretty close to a tree trunk.

One dry days, the G5RV is just fine ...

/joel wa1qvm (malman@bbn.com ... Concord, Ma.)  
WIMPS: Qs=209 30m=191 17m=17 12m=01 States=26/04/00 DX=053/12/01

-----  
Date: Tue, 22 Jul 1997 16:42:31 -0400  
From: "Ron Polityka" <wb3aal@talon.net>  
To: "QRP-L" <qrp-1@Lehigh.EDU>



-----  
Date: Tue, 22 Jul 1997 13:43:13 -0700  
From: Ed Loranger <we6w@qsl.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [23527] Sterba Curtain Antenna  
Message-ID: <33D51B61.11DE@qsl.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hopefully someone will model the Sterba curtain.

On My Web Page, (Follow Antenna Link)  
I've "Just NOW" added additional Beam and gain  
notes derived from my old 1974 Antenna book.

Sorry no fancy dwgs. But Text works.

Anyone want to model the Sterba with a mean height  
of 3/4 wavelength above ground?

Some Random frequency like 14.06 MHz.

Guffaws!

-Ed L.

--

72/73 de we6w qrp es cw ONLY (From non-ham to extra in one day!)  
HW-8;OHR-100, Pixie2, Johnson Viking II w/VFO.  
QRP-L#1068/Norcal#2227/ARS#275/ARCI#9397 grid CM88ok  
mailto:we6w@qsl.net <http://www.qsl.net/we6w>

-----  
Date: Tue, 22 Jul 97 13:57:00 PDT  
From: Cecil A Moore <Cecil\_A\_Moore@ccm.ch.intel.com>  
To: qrp-1@Lehigh.EDU  
Subject: [23528] Re: ICOM 706 MkII for QRP???

>From: James P Rybak <jrybak@mesa7.mesa.colorado.edu>  
> 1. Can the output power be reduced to QRP levels? Can it be done  
> from the front panel or must it be done by supplying an external  
> AGC voltage?

Hi Jim, I have an IC-706 and it can be reduced to QRP levels through a menu on the front panel.

> 2. Is the RIT a separate "stand alone" function or does it  
> involve using the second VFO to control the receiver tuning?

I believe it is stand alone. Someone correct me if I'm wrong.

> 3. Aside from the cost factor, is the IC-706 MkII a fairly good  
> choice for portable and/or QRP use?

Absolutely not. It is a power hog. It took only two days ON RECEIVE to murder my new GMC truck battery. It draws 1.7 amps on standby receive. But it's a good mobile rig when the motor is running.

73, Cecil, W6RCA, 00TC

-----  
Date: Tue, 22 Jul 1997 21:15:40 +0000  
From: Bob Roach <KE4QOK@worldnet.att.net>  
To: ebjr@worldnet.att.net  
Cc: qrp-1@Lehigh.EDU  
Subject: [23529] Re: CW SPEAKERS  
Message-ID: <19970722211516.AAA23013@LOCALNAME>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

At 08:01 PM 7/22/97 +0000, you wrote:

>which adds very measurably to CW operation with my old Hallicrafters  
>SR-150 SSB transceiver. There is a formula somewhere on "tuned"  
>loudspeaker extensions, but I don't remember quite where!

>

>

This info should be in any good physics text. I have it somewhere but don't remember where.

(o o)

\_\_\_\_\_o00\_( )\_00o\_\_\_\_\_

73 es TNX

KE4QOK Real radios glow in the dark.

Bob Power is no substitute for skill.

If it stayed up last winter, it was too small.

136 Hermitage Rd.

Newport News, Va. 23606 KE4QOK@worldnet.att.net

(757)930-0348      Advanced, W5YI VE, ARRL, PARC

-----  
Date: Tue, 22 Jul 1997 14:19:32 -0700  
From: Ed Loranger <we6w@qsl.net>  
To: KE4QOK@worldnet.att.net  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [23530] Re: CW SPEAKERS  
Message-ID: <33D523E4.581B@qsl.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I know exactly where the information is and will post  
it tomorrow A.M. PDT IF it isn't posted by anyone else  
by then.

-Ed L.

--  
72/73 de we6w qrp es cw ONLY (From non-ham to extra in one day!)  
HW-8;OHR-100, Pixie2, Johnson Viking II w/VFO.  
QRP-L#1068/Norcal#2227/ARS#275/ARCI#9397 grid CM88ok  
mailto:we6w@qsl.net <http://www.qsl.net/we6w>

-----  
Date: Tue, 22 Jul 1997 19:23:51 +0100  
From: Stephen John Farthing <stephen@stevef.demon.co.uk>  
To: qrp-l@Lehigh.EDU  
Subject: [23531] HW7 Mods wanted  
Message-ID: <6lBtFPA3qP1zEwpA@stevef.demon.co.uk>  
MIME-Version: 1.0

I cluelessly deleted the directory in which I was collecting HW7 mods.  
As it may be my next but one project I wonder if some kind soul would  
point me at any HW7 Mods - I have the ones in the G-QRP Club Handbook.  
Also a handbook would be nice should anyone have a spare. Thanks.

--  
Stephen John Farthing MBCS G0XAR  
Melksham, Wiltshire UK  
RSGB G-QRP 7766



Date: Tue, 22 Jul 1997 15:57:31 -0600  
From: AE0Q V31RY <v31ry@ix.netcom.com>  
To: qrp-1@Lehigh.EDU  
Subject: [23532] Re: Flash Comm Inc. allowed to use spectrum  
Message-ID: <2.2.16.19970722215731.2737efd8@popd.ix.netcom.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

><< Wireless Week magazine, July 21, 1997 issue, reports that Flash Comm Inc.,  
>of  
> Melbourne, Florida has won the right to use 3 to 30 MHz to establish a  
> national vehicle and other rolling stock tracking service.  
> >>  
>

I wonder who is going to use the tracking information, and for what  
purpose? Trains and big trucks, maybe, but doesn't sound like something I  
want in MY car in the future!

73 -- Glenn

-----  
"Remember, any tool can be the right tool!" Red Green

AE0Q / V31RY ex: GM5BKC, ZB2WZ, SV0WY, WA0VPK  
v31ry@ix.netcom.com --SOWP 5558-M, ARRL LM, QCWA LM, NCVA--  
<http://www.qsl.net/ae0q>

-----  
Date: Tue, 22 Jul 1997 18:11:02 -0400 (EDT)  
From: W3GX@aol.com  
To: n5em-qrp@msn.com  
Cc: qrp-1@Lehigh.EDU  
Subject: [23533] Re: Flash Comm Inc. allowed to use spectrum  
Message-ID: <970722181100\_1313067106@emout17.mail.aol.com>

You are not kidding, Ed.

This seems to be something for which FCI (Who are they?) got the FCC to "buy  
their act." They are having to modify the prototypes and get the FCC to give  
final approval before they begin service.

It is proper for amateurs, as primary users of part of the proposed spectrum,  
to take part in, or to give input to, the final approval process. Somebody

needs to take the lead and formally remind the FCC that part of the amateur service involves research into detection and demodulation of very weak signals. How will there system avoid interfering with that? The secondary status means they can't interfere with any amateur operation, not just some of it, and QRP operating is a legitimate pursuit on HF.

Someone should suggest either:

- 1) Quiet times, during which weak signal work would be assumed. This could be at different times for each band. OR
- 2) Mandate that FCI adjust the system so that it SKIPS certain portions of each band at all times, portions designated as very likely to have low power amateur operation present.

I like no. 2 best. Someone needs to remind FCI that they need to be nice to amateurs, as we are PRIMARY USERS of their spectrum --- PRIMARY users who, to a certain extent know what we're doing when it comes to RF and propagation.

(my \$.02)  
de W3GX  
John Foote

-----  
Date: Tue, 22 Jul 1997 22:15:42 -0700  
From: Harvey Hetland <n6mm@earthlink.net>  
To: QRP-L@Lehigh.EDU  
Subject: [23534] RE: KH6AFS/QRP info  
Message-ID: <33D5937E.694B@earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I worked Sam, KH6AFS/QRP, on 21.060 MHz from 2148 to 2212Z 22 JUL with 599+ signals both ways. Sam will be on 7.040 at 0500Z 23 JUL with his rhombic. That is UTC time AND date, so that will be tonight local time. He has been a radio amateur since 1939 and appears to be having a good time with his rhombic. Maybe I can get him up to 10m later. I also worked two PY stations in the 15m Extra Class portion, so there is some life on 15m today. Some South Americans were heard working into Western Europe. Sure wish I had a path to Europe on 15m, hi.

73, Harvey, N6MM      QRP ARCI #51      FISTS #2194

-----  
Date: Tue, 22 Jul 1997 15:26:28 -0700 (MST)  
From: Bob Hightower <ki7mn@dancris.com>  
To: v31ry@ix.netcom.com  
Cc: qrp-1@Lehigh.EDU  
Subject: [23535] Re: Flash Comm Inc. allowed to use spectrum  
Message-ID: <199707222226.PAA29070@dancris.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

At 03:57 PM 7/22/97 -0600, you wrote:

>  
>  
> I wonder who is going to use the tracking information, and for what  
>purpose? Trains and big trucks, maybe, but doesn't sound like something I  
>want in MY car in the future!

>  
>  
Sounds something like an APRS system, or something similar to the tracking  
system used to locate stolen cars in some states. Not a bad idea, but not  
the way it seems to be proposed...blindly sending packets on a shared spectrum.

73,  
Bob KI7MN (ki7mn@dancris.com) Chandler, AZ  
Grid DM43bi Lat 33.334500 Long -111.87260  
NorCal #1221 ARCI #8918 Qrp-1 #271 CQC #274 AK QRP #30 ARRL  
<http://www.dancris.com/~ki7mn>  
WIMPS: QSO's=18 30=18 17=0 12=0 States=15/0/0 DX 0/0/0 QSL's=5

-----  
Date: Tue, 22 Jul 1997 18:31:41 -0400  
From: "Ron Polityka" <wb3aal@talon.net>  
To: "QRP-L" <qrp-1@Lehigh.EDU>  
Subject: [23536] UPS Batteries  
Message-ID: <199707222233.SAA17942@pelican.talon.net>  
MIME-Version: 1.0  
Content-Type: multipart/alternative; boundary="----  
=\_NextPart\_000\_01BC96CD.7FCDFF40"  
Content-Transfer-Encoding: 7bit

This is a multi-part message in MIME format.

-----=\_NextPart\_000\_01BC96CD.7FCDFF40  
Content-Type: text/plain; charset=ISO-8859-1

Content-Transfer-Encoding: 7bit

To all that have UPS systems at home or in the office take note.

Today my plant's front office was chucking out a old UPS unit. I asked them why and they said that it does not hold a charge. Well since I work in maintenance I asked if I could gut it and use the parts in it. They said yes. Well I got a couple of good micro switches and two gell cell batteries, 12 volt 15 Ah. I asked if I could take the batteries home since we had no need for them. They said yes. Well after charging them up and checking it out, I now have two new batteries.

The only problem with the ups unit was the solid state circuit board was fried! So if you see someone junking a ups ask them if you can have it. Check out the batteries!

They are great for Portable QRP Operations!!

73 & Good DXing

Ron de WB3AAL

wb3aal@talon.net

OWL's Radio Club

QRP # 5318            PA QSO Party 1996 Small Club Gavel  
G-QRP # 3031        PA QSO Party 1996 Active Member, High  
10-10 # 13173                            Average Aggregate Award  
QRP-L # 1099  
-----=\_NextPart\_000\_01BC96CD.7FCDFF40  
Content-Type: text/html; charset=ISO-8859-1  
Content-Transfer-Encoding: quoted-printable

```
<html><head></head><BODY bgcolor=3D"#FFFFFF"><p><font size=3D2 =
color=3D"#000000" face=3D"Arial"> To all that have UPS systems at home =
or in the office take note. <br><br>Today my plant's front office was =
chucking out a old UPS unit. I <br>asked them why and they said that it =
does not hold a charge. Well <br>since I work in maintenance I asked if =
I could gut it and use the <br>parts in it. &nbsp;They said yes. Well I =
got a couple of good micro switches <br>and two gell cell batteries, 12 =
volt 15 Ah. I asked if I could take the <br>batteries home since we had =
no need for them. They said yes. Well<br>after charging them up and =
checking it out, I now have two new batteries.<br><br> The only problem =
with the ups unit was the solid state circuit board <br>was fried! So if =
you see someone junking a ups ask them if you <br>can have it. Check out =
the batteries! <br><br> They are great for Portable QRP =
Operations!!<br><br>73 & Good DXing<br>Ron de =
WB3AAL<br><br>wb3aal@talon.net<br><br>OWL's Radio Club<br><br> =
```



[illegible]

Here's a very old trick for matching a folded dipole without a 6:1 balun. Assuming the folded dipole has an SWR of 1:1 on the 300 ohm feedline, from the point where a 1:1 50 ohm choke is connected to the 300 ohm feedline, measure off 0.04 WL back toward the antenna taking the velocity factor into account. At that point install a parallel capacitor with a reactance of  $-j147$  ohms. The combination of the existing 300 ohms and the parallel capacitor causes an SWR of 6:1 on the 300 ohm feedline.  $300/6=50$  and 0.04 WL from that point, the feedpoint impedance at a current maximum point will be transformed to a perfectly resistive 50 ohms.

73, Cecil, W6RCA, 00TC

Date: Tue, 22 Jul 97 16:45:48 MDT  
From: Dale Anderson <dalea@artemis.fc.hp.com>  
To: qrp-l@Lehigh.EDU  
Subject: [23539] Re: Flash Comm Inc. allowed to use spectrum  
Message-ID: <9707222245.AA17474@artemis.fc.hp.com>

Here's my suggestion...

Why not just restrict the commercial use of their equipment  
to the commercial segments of HF, outside of the ham bands?

That should be plenty of HF spectrum for them. ...Hey, how about  
that "free band" segment where rogue CB'rs hang out. Just a thought.

All flames >> /dev/null .

72,

-Dale, KB0VCC

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End of QRP-L Digest 795

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